Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Marked-up Claims:

Claim 1 (currently amended): The method of claim 5, wherein ~~A method for purifying fluid within a reflection optical switch system comprising: placing gettering structures within a chamber within the reflection optical switch system, the gettering structures including heating components which when actuated attract impurities, wherein the gettering structures are placed within the chamber in such a way that~~ at least some of the gettering structures are optically accessible from outside of the chamber, ~~; and, turning on the heating components within the gettering structures to getter out impurities from fluid within the chamber.~~

Claim 2 (currently amended): A method for purifying a fluid within a reflection optical switch system, comprising:

placing gettering structures within a chamber within the reflection optical switch system, ~~A method as in claim 1~~ wherein placing gettering structures includes placing heating components around filament holes through which vapor enters the chamber from a reservoir, the heating components attracting impurities from the fluid when the heating components are actuated; and

actuating the heating components to getter out impurities from fluid.

Claim 3 (currently amended): A method for purifying a fluid within a reflection optical switch system, comprising:

placing gettering structures within a chamber within the reflection optical switch system, ~~A method as in claim 1~~ wherein placing gettering structures includes placing heating components on pillars within filament holes through which vapor enters the chamber from a reservoir, the heating components attracting impurities from the fluid when the heating components are actuated; and

actuating the heating components to getter out impurities from the fluid.

Claim 4 (canceled).

Claim 5 (currently amended): A method for purifying a fluid within a reflection optical switch system, comprising:

placing gettering structures within a chamber within the reflection optical switch system, ~~A method as in claim 1~~ wherein placing gettering structures includes placing a plurality of rectangular-shaped structures, the plurality of rectangular-shaped structures including rectangular-shaped structures of different sizes and composed of different materials so as to target different materials for gettering, the rectangular-shaped structures attracting impurities from the fluid when the rectangular-shaped structures are actuated; and

actuating the rectangular-shaped structures to getter out impurities from the fluid.

Claim 6 (currently amended): A method for purifying a fluid within a reflection optical switch system, comprising:

placing gettering structures within a chamber within the reflection optical switch system, ~~A method as in claim 1~~ wherein placing gettering structures includes placing structures separated by a gap of predetermined size, the structures being ~~that a~~re used to generate a voltage differential across ~~a gap of predetermined size~~ the gap, the structures attracting impurities from the fluid when the structures are actuated;

actuating the structures; and

taking electrical measurements from the structures to monitor impurity levels of the system.

Claim 7 (currently amended): A reflection optical switch system as in claim 11, wherein ~~comprising: a chamber that stores fluid; and, gettering structures within the chamber, the gettering structures including heating components which, when actuated, absorb impurities from the fluid stored in the chamber, wherein the gettering structures are placed within the chamber in such a way that~~ at least some of the gettering structures are optically accessible from outside the chamber.

Claim 8 (currently amended): A reflection optical switch system, comprising:

a chamber that stores a fluid; and

gettering structures within the chamber, ~~A reflection optical switch system as in claim 7~~ wherein the gettering structures include heating components placed around filament holes

through which vapor enters the chamber from a reservoir, the heating components absorbing impurities from the fluid when the heating components are actuated.

Claim 9 (currently amended): A reflection optical switch system, comprising:

a chamber that stores a fluid; and

gettering structures within the chamber, ~~A reflection optical switch system as in claim 7~~ wherein the gettering structures include heating components placed on pillars within filament holes through which vapor enters the chamber from a reservoir, the heating components absorbing impurities from the fluid when the heating components are actuated.

Claim 10 (canceled).

Claim 11 (currently amended): A reflection optical switch system, comprising:

a chamber that stores a fluid; and

gettering structures within the chamber, ~~A reflection optical switch system as in claim 7~~ wherein the gettering structures include a plurality of rectangular-shaped structures, the plurality of rectangular-shaped structures including rectangular-shaped structures of different sizes and composed of different materials so as to target different materials for gettering, the rectangular-shaped structures absorbing impurities from the fluid when the rectangular-shaped structures are actuated.

Claim 12 (currently amended): A reflection optical switch system, comprising:

a chamber that stores a fluid;

gettering structures within the chamber, ~~A reflection optical switch system as in claim 7~~ wherein the gettering structures include structures separated by a gap of predetermined size, the structures being ~~that are~~ used to generate a voltage differential across ~~a gap of predetermined size~~ the gap, the structures attracting impurities from the fluid when the structures are actuated; and

a measurement device coupled to the gettering structures for taking electrical measurements from the structures to monitor impurity levels of the system.

Claim 13 (currently amended): A reflection optical switch system, comprising:

a chamber that stores a fluid; and [[,]]

gettering structures within the chamber, the gettering structures including heating components ~~which, when actuated,~~ that absorb impurities from the fluid ~~stored in the chamber~~ when the heating components are activated, wherein the gettering structures include bridge structures placed over filament holes through which the fluid enters the chamber.

Claims 14 to 20 (canceled).